NO/QC/YD/2020-21/W3 P11 Date: 26-10-2021

To,
The Executive Engineer,
Yelahanka Division,
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of work:Comprehensive Development of Balance Roads and Drains at Aditya Nagara Ananthapura Nisarga layout, Mahalakshmi layout yelahanka new town 4th and 5th phase Doddabettahalli village, Kaveri layout and surrounding areas in ward No-03 and 04 of yelahanka Division (Package No11)

Item No	Description of work	Unit	Qty	Remarks
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth	Cum	6207.32	Work done upto the Billed Quantity and the Quality is Satisfactory
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:4:8 with OPC @ 180kgs, with crushed 40mm and down size graded granite metal coarse aggregates	Cum	1039.95	Work done upto the Billed Quantity and the Quality is Satisfactory
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates	Cum	1833.87	Work done upto the Billed Quantity and the Quality is Satisfactory
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever	Tonne	111.74	Work done upto the Billed Quantity and the Quality is Satisfactory
6	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:2:4 with OPC @ 240kgs, with crushed 40mm and down size graded granite metal coarse aggregates	Cum	17.29	Work done upto the Billed Quantity and the Quality is Satisfactory
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 100mm thick and Finishing cutting , Including form work, cost of alll materials, labour,hire charges of	Sqm	5000.15	Work done upto the Billed Quantity and the Quality is Satisfactory
9	Removing & Refixing of Kerb Stone	M	153.00	Work done upto the Billed Quantity and the Quality is Satisfactory
10	Providing and Fixing pre cast Solid Cement Concrete Kerb stone made made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively	nos	11773.00	Work done upto the Billed Quantity and the Quality is Satisfactory
11	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per	Sqm	1635.23	Work done upto the Billed Quantity and the Quality is Satisfactory

13	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour	Sqm	2353.65	Work done upto the Billed Quantity and the Quality is Satisfactory
14	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable	Sqm	8597.31	Work done upto the Billed Quantity and the Quality is Satisfactory
15	KSRRB M300-14. Excavation for road work in all type of soil by mechanical means including cutting loading to tippers trimming bottom and side slopes in accordance with	Cum	1216.34	Work done upto the Billed Quantity and the Quality is Satisfactory
16	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per	Sqm	11638.15	Work done upto the Billed Quantity and the Quality is Satisfactory
17	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a	Cum	1745.72	Work done upto the Billed Quantity and the Quality is Satisfactory
18	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material	Cum	2470.11	Work done upto the Billed Quantity and the Quality is Satisfactory
19	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying	Sqm	10978.26	Work done upto the Billed Quantity and the Quality is Satisfactory
20	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment	Sqm	15284.13	Work done upto the Billed Quantity and the Quality is Satisfactory
21	KSRRB 500-11. Providing and laying bituminous macadam on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including	Cum	883.25	Work done upto the Billed Quantity and the Quality is Satisfactory
22	KSRRB 500--10 Providing and applying tack coat using 80/100 grade Sqm bitumen(VGIO) in boiler fitted with spray set distributor at the rate of 0.25 kg per Sqm on the existing	Sqm	17665.08	Work done upto the Billed Quantity and the Quality is Satisfactory
23	KSRRB M500-19: providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using	Cum	706.60	Work done upto the Billed Quantity and the Quality is Satisfactory
24	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying	Sqm	734.36	Work done upto the Billed Quantity and the Quality is Satisfactory
25	KSRRB M800-35. Supply and Installition of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and	Nos	712.00	Work done upto the Billed Quantity and the Quality is Satisfactory
26	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine	Cum	65.99	Work done upto the Billed Quantity and the Quality is Satisfactory
27	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC, coarse aggregate at 0.69 cum, fine aggregates at	Cum	98.98	Work done upto the Billed Quantity and the Quality is Satisfactory

28	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end	Cum	6207.32	Work done upto the Billed Quantity and the Quality is Satisfactory
	EIRL			
E1	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine	Cum	353.05	Work done upto the Billed Quantity and the Quality is Satisfactory
E2	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a	Sqm	72.80	Work done upto the Billed Quantity and the Quality is Satisfactory
E3	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour,	M	10.00	Work done upto the Billed Quantity and the Quality is Satisfactory
E4	KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc.	Qtl	7.69	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,

With Regards,

For Newzen Consulting Engineers

NEWZEN CONSULTANTS Bangalore

NO/QC/YD/2020-21/W3 P11

Date: 26-10-2021

To,
The Executive Engineer,
Yelahanka Division
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of work:Modified Estimate for Comprehensive Development of Balance Roads and Drains at Aditya Nagara Ananthapura Nisarga layout, Mahalakshmi layout yelahanka new town 4th and 5th phase Doddabettahalli village, Kaveri layout and surrounding areas in ward No-03 and 04 of yelahanka Division (Package No11)

Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
1	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:4:8 with OPC @ 180kgs, with crushed 40mm and	Cum	1039.95	11	Per 100 cum	Meets Morth V Revision Standards
2	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 300kgs, with	Cum	1833.87	38	Per 100 cum	Meets Morth V Revision Standards
3	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking,	Tonne	111.74	2	Per Each dia	Meets Morth V Revision Standards
4	Providing and Fixing pre cast Solid Cement Concrete Kerb stone made made out of CC 1:2:4 with top and	nos	11773.00	12	Per 1000 Nos	Meets Morth V Revision Standards
5	KSRB 14.6 : Providing and laying heavy duty cobble stones Interlock pavers, using cement and course sand for	Sqm	2353.65	5	Per 500 cum	Meets Morth V Revision Standards
6	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed	Cum	1745.72	5	Per 400 cum	Meets Morth V Revision Standards
7	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to	Cum	2470.11	13	Per 200 cum	Meets Morth V Revision Standards
8	KSRRB 500-11. Providing and laying bituminous macadam on Prepared Surface with crushed Coarse aggregates	Cum	883.25	9	Per 100 cum	Meets Morth V Revision Standards

Item No	Description of work	Unit	Qty	No of Samples Tested	Frequency	Results Standards
9	KSRRB M500-19: providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant	Cum	706.60	8	Per 100 cum	Meets Morth V Revision Standards
10	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and	Cum	65.99	1	Per 100 cum	Meets Morth V Revision Standards
11	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with	Cum	98.98	4	Per 50 cum	Meets Morth V Revision Standards
12	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size	Cum	353.05	4	Per 100 cum	Meets Morth V Revision Standards

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill. The all the samples satisfies the standards requirements as per MORTH V Revision 2013.

Thanking you,

With Regards,

NEWZEN CONSULTANTS Bangalore

For Newzen Consultants Bangalore